TEJUS
CONSULTANTS

Test Report on Cement

Project	Providing Electrification Works and Amenites for Allalasandra Swimming Pool in Ward No 4
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	M/s KRIDL, Bangalore
Sample ID	Cement
Date of Sample Tested	04.04.18
Sample Supplied By	Agency

SLNo.	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 12269-1987
1	a) Initial Setting Time	IS-4031 (Part-5)	38 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part-5)	346 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part-3) By the Le-Chatelier method	3mm	Not More than 10 mm
3	Standard Consistency	IS-4031 (Part-4)	27.00%	25 % to 35

Asst. Executive Engineer
Project Division,
Yelahanka Zone
Bangalore

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Test Report on Cement

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Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	M/s KRIDL, Bangalore
Sample ID	Cement
Date of Sample Tested	04.04.18
Sample Supplied By	Agency

SLNo.	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 12269-1987
1	a) Initial Setting Time	IS-4031 (Part-5)	36 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part-5)	339 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part-3) By the Le-Chatelier method	2mm	Not More than 10 mm
3	Standard Consistency	IS-4031 (Part-4)	29.00%	25 % to 35

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

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TEST REPORT	
Clients	BRUHAT BENGALORE MAHANAGARA PALIKE
Project	Providing Electrification Works and Amenites for Allalasandra Swimming Pool in Ward No 4
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	M/s KRIDL, Bangalore

SPECIFIC GRAVITY AND WATER ABSORPTION

FINE AGGREGATE (IS-2386-PART-3)

Type of Material	Fine aggregate (River Sand/ M sand)	Proposed Use	concrete
Location/Source	At Site/Plant	Date of Sampling	04.04.18
Period of Soaking	24 hours	Date of Testing	04.04.18

Sl.No.	Test Property	TRIAL - 1	TRIAL - 2	TRIAL - 3	
A	Weight of sturated surface dry sample gm.	650	632	660	
B	Weight of oven - dry sample gm.	642	624	648	
C	Weight of Pycnometer Filled with water gm	1275	1275	1275	
D	Weight of Pycnometer + sample + water gm	1683	1672	1691	
E	Bulk specific gravity $\frac{B}{(C+A-D)}$	2.653	2.655	2.656	**2.655**
G	Absorption (%) $\frac{(A-B)*100}{B}$	1.246	1.282	1.852	**1.460**

Asst. Executive Engineer
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Yelahanka Zone
Bangalore

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TEST REPORT

Client:	Bruhat Bangalore Mahanagara Palike
Project:	Providing Electrification Works and Amenites for Allalasandra Swimming Pool in Ward No 4
Consultants:	Tejus Consultants, Bangalore
Contractor:	M/s KRIDL, Bangalore

SIEVE ANALYSIS

Total Weight:	3000 gms		
Type of Material:	Fine aggregate (River Sand/ M sand)	Proposed Use	concrete
Sample Location:	At Site/Plant	Date of Sampling	04.04.18
		Date of Testing	04.04.18

Sieve Size	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing (Zone-II)
10.00 mm	0	0	0	100.00	100
4.75 mm	208	208	6.93	93.07	90 - 100
2.36 mm	302	510	17.00	83.00	75 - 100
1.18 mm	422	932	31.07	68.93	55 - 90
600 mm	482	1414	47.13	52.87	35 -59
300 mm	708	2122	70.73	29.27	8-30
150 mm	630	2752	91.73	8.27	0 - 10
Pan	248	3000			-

Remarks: Satisfactory / Not Satisfactory

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

Consultant's Representative

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TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike				
Project	Providing Electrification Works and Amenites for Allalasandra Swimming Pool in Ward No 4				
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore				
Contractor	M/s KRIDL, Bangalore				
Total Weight:	10000	gms			

SIEVE ANALYSIS

Type of Material	20 mm down size		Proposed Use	PCC	
Sample Location	Plant/At site		Date of Sampling	04.04.18	
			Date of Testing	04.04.18	
IS Sieve Size	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing
40.00 mm	0	0	0	100	100
20.00 mm	260	260	2.60	97.40	95 - 100
10.00 mm	4832	5092	50.92	49.08	25 - 55
4.75 mm	4210	9302	93.02	6.98	0 - 10
Pan	698	10000			

Remarks : Satisfactory / Not Satisfactory

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Bangalore

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TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike	
Project	Providing Electrification Works and Amenites for Allalasandra Swimming Pool in Ward No 4	
Consultants	TEJUS CONSULTANTS	
Contractor	M/s KRIDL, Bangalore	
Total Weight:	10000	gms

SIEVE ANALYSIS

Type of Material	12.5 mm down size		Proposed Use	PCC	
Sample Location	At Site/Plant		Date of Sampling	04.04.18	
			Date of Testing	04.04.18	
IS Sieve Size (in mm)	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing
20.0	0	0	0	100	100
12.5	542	542	5.42	94.58	90-100
10.0	4680	5222	52.22	47.78	40-85
4.75	4512	9734	97.34	2.66	0-10
Pan	266	10000			

Remarks :	Satisfactory / Not Satisfactory

Consultant's Representative

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Test Report on Cement

TEJUS CONSULTANTS

Project:	Providing Electrification Works and Amenites for Allalasandra Swimming Pool in Ward No 4
Client:	Bruhat Bangalore Mahanagar Palike
Consultant:	TEJUS CONSULTANTS
Contractor:	M/s KRIDL, Bangalore
Sample ID:	Cement
Date of Sample Tested:	05.04.18
Sample Supplied By:	Agency

Sl.No.	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 12269-1987
1	a) Initial Setting Time	IS-4031 (Part-5)	38 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part-5)	346 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part-3) By the Le-Chatelier method	3mm	Not More than 10 mm
3	Standard Consistency	IS-4031 (Part-4)	28.00%	25 % to 35

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Test Report on Cement

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Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	M/s KRIDL, Bangalore
Sample ID	Cement
Date of Sample Tested	05.04.18
Sample Supplied By	Agency

Sl.No.	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 12269-1987
1	a) Initial Setting Time	IS-4031 (Part-5)	37 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part-5)	350 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part-3) By the Le-Chatelier method	3mm	Not More than 10 mm
3	Standard Consistency	IS-4031 (Part-4)	27.00%	25 % to 35

Asst. Executive Engineer
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Bangalore

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TEST REPORT	
Client	BRUHAT BENGALORE MAHANAGARA PALIKE
Project	Providing Electrification Works and Amenites for Allalasandra Swimming Pool in Ward No 4
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	M/s KRIDL, Bangalore

SPECIFIC GRAVITY AND WATER ABSORPTION

FINE AGGREGATE (IS-2386-PART-3)

Type of Material	Fine aggregate (River Sand/ M sand)	Proposed Use	concrete
Quarry/Source	At Site/Plant	Date of Sampling	05.04.18
Period of Soaking	24 hours	Date of Testing	05.04.18

Sl.No.	Test Property	TRIAL - 1	TRIAL - 2	TRIAL - 3	
A	Weight of sturated surface dry sample gm.	650	662	660	
B	Weight of oven - dry sample gm.	641	652	650	
C	Weight of Pycnometer Filled with water gm	1275	1275	1275	
D	Weight of Pycnometer + sample + water gm	1684	1692	1691	
E	Bulk specific gravity $\frac{B}{(C+A-D)}$	2.660	2.661	2.664	**2.662**
G	Absorption (%) $\frac{(A-B)*100}{B}$	1.404	1.534	1.538	**1.492**

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TEST REPORT

Client	Bruhat Bangalore Mahanagara Palike
Project	Providing Electrification Works and Amenites for Allalasandra Swimming Pool in Ward No 4
Consultants	Tejus Consultants, Bangalore
Contractor	M/s KRIDL, Bangalore

SIEVE ANALYSIS

Total Weight	3000 gms			
Type of Material	Fine aggregate (River Sand/ M sand)		Proposed Use	concrete
Sample Location	At Site/Plant		Date of Sampling	05.04.18
			Date of Testing	05.04.18

Sieve Size	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing (Zone-II)
10.00 mm	0	0	0	100.00	100
4.75 mm	208	208	6.93	93.07	90 - 100
2.36 mm	310	518	17.27	82.73	75 - 100
1.18 mm	412	930	31.00	69.00	55 - 90
600 mm	482	1412	47.07	52.93	35 -59
300 mm	708	2120	70.67	29.33	8-30
150 mm	631	2751	91.70	8.30	0 - 10
Pan	249	3000			-

Remarks : Satisfactory / Not Satisfactory

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Yelahanka Zone
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